

✓ L7 ANSWER 223 OF 295 HCAPLUS COPYRIGHT 2000 ACS  
AN 1992:510137 HCAPLUS  
DN 117:110137

TI Manufacture of water-soluble flavonol glycosides with galactosidase and  
glucanotransferase

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CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI JP 04066098 A2 19920302 JP 1990-179838 19900706

AB The title glycosides having glucose and galactose residues, useful as  
stable antioxidants and UV absorbers for foods, cosmetics, and  
pharmaceuticals (no data), are manufd. by treatment of quercetin  
glycosides with galactose-transferring enzymes and glucose-transferring  
enzymes in the presence of lactose or galactooligosaccharides and starch.  
DMSO soln. of rutin was treated with .beta.-galactosidase, cyclodextrin  
glucanotransferase, and phosphate buffer contg. lactose and dextrin at  
60.degree. for 4 h to produce 60% glucose- and galactose-modified rutin  
(rhamnose:glucose:galactose = 1.3.5:1.5). The products showed .gtoreq. 10  
wt.% soly. in H2O, vs. 0.001 wt.%, for rutin.

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